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Vertical soundings were recorded hourly with the Digisonde 256 and the Artist facility during the above mentioned period. During these twelve months, the Digisonde 256 worked perfectly. Interruptions of the recording were mainly due to important thunderstorms on the 3rd & 4th of November and on the 8th & 9th of December when the main 5V power supply failed. Some other data for days after the end of the contract were sent.			
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- Contribution to the EUROCAP Program from the DOURBES Ionospheric Station

Pop. Investigator: J.C.JODOGNE

Institut Royal Météorologique de Belgique

DAJA45 - 93 - C - 0042

Final Report

Augustus 1993 to July 1994

The Research reported in this document has been made possible through the support and sponsorship of the U.S. Government through its European Research Office of the U.S.Army. ~~This report is intended only for the internal management use of the Contractor and U.S. Government.~~

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Final Report on EUROCAP Program from DOURBES Station

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The Dourbes Station use a Digisonde 256 with an Automatic Real Time Ionogram Scaler with True Height (from University of Massachusetts, Lowell, Center of Atmospheric Research) in order to provide the scaled parameters of the hourly ionograms (see Final Report of the contract DAJA45 - 90 -0036 for other details on the system). From the recorded data on cartridges, a software program called ADEP (also from University of Lowell, Center of atmospheric Research) allows editing the ionograms and extracting the main parameters which are recorded in Ascii files on 5.25 diskettes AT compatible.

The digital sounder worked very well during this period and all data are of good quality. Interruptions of the recording were mainly due to important thunderstorms on the 3rd & 4th of November and on the 8th & 9th of December when the main 5V power supply failed. This power supply was replaced and the soundings were resumed as soon as possible.

All the data covering the period were sent to Mr F.Gorman, U.S.Army Communications-electronics Command; the last one on March 6th, 1995.

Dr.J.-C. Jodogne

Annex:

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(a) No funds remains on the contract at the end of the period covered by the report. The total funding is spent.

(b) No property were acquired with contract funds during this period

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